

## MINING

## SUPERIOR AND GLOBE.

The shaft on the property of the Superior and Globe Copper company, in the Copper Hill district, is 650 feet deep. At that point, sinking has been temporarily discontinued while a station is being cut preparatory to the beginning of crosscutting north and south. The cutting of this station will probably take several weeks. Before crosscutting is commenced, it will be necessary to sink a twenty-five foot shaft. It is expected that the crosscut running south will open the Yuma vein which cuts across the country a few hundred feet away, and dips northward toward the shaft. The Yuma vein, as is well known by the people of the Globe district, has already been very profitably worked by the Old Dominion Copper Mining and Smelting company, consequently the tapping of it by the crosscut from the Superior and Globe should be attended by the most encouraging results.

North of the Superior and Globe shaft two other faults cut the country, so that in this direction, also, very favorable developments are hoped for. The station on the 650-foot level of the Superior and Globe shaft will be thirty feet long and nine feet high.

The formation now prevailing in the bottom of the shaft on the Superior and Globe property is diorite containing stringers of quartz-bearing chalcopyrite in small quantities. In the course of sinking the shaft, a fracture of some kind was encountered in the rock a short time ago. The material taken out at that time was apparently of a diorite formation, which, at some time past, had been subjected to grinding forces.

The Superior and Globe Copper company has ordered a 60-horse power hoisting engine, which will probably be installed at the shaft within ten days or two weeks. The new hoist will be capable of sinking 1,000 feet. The developments attendant upon the crosscutting soon to be commenced on the Superior and Globe property will doubtless be watched with great interest by the many people of Globe district who have great confidence in the future of this mine.

H. V. Snell of Globe is in general charge of operations on the Superior and Globe property and Pete Wagner is foreman. About twenty-eight men are employed.—Globe Silver Belt.

## CORDOVA.

The drift which is being driven eastward from the Sullivan shaft of the Eureka group on the 475-foot level is still in altered schist, highly silicified and carrying considerable sulphide ore. The developments recently obtained in this part of the property are very satisfactory to the management of the Cordova Copper company.

The Jennie shaft, which is being sunk on the west end of the Eureka group and on the line between the Jennie and Osceola claims, is 107 feet deep and the encouraging copper values encountered there a short time ago continue to be in the form of chalcopyrite. The development work in the Jennie shaft has been so encouraging that a churn drill of the Star make will be set at work on the Eureka group shortly after the first of the year. There is every indication that ore bodies of great extent and commercial value will be found on these claims in the course of the next few months.

## WARRIOR.

Between seventy and seventy-five tons of 10 per cent. chrysocolla ore are being shipped daily to the El Paso smelter from the Warrior mine. If it was deemed expedient, the shipments of ore could, of course, be greatly increased without working any hardship on the present force employed, but the management of the Warrior Development company is, at present, most interested in developing the mine along scientific lines and exploring new areas for the purpose of opening up bodies of ore and of definitely determining their extent.

This work of development and exploration has been most gratifying since the mine was taken over by the Hovland and Smith interests. Raises Nos. 36 and 37 in the west end of mine are opening up large high grade ore bodies. The drift being driven west on the third level for the purpose of thoroughly exploring that section of the mine, has encountered several high grade bodies of ore and is now in a

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new body averaging 10 per cent. copper.

The two Star churn drills which have been ordered for use on the Warrior property were shipped some time ago and are expected to arrive on the ground the latter part of the week. It is the plan of the management to have these drills in operation before January 1st.

General Manager M. E. McCarthy of Globe is, of course, superintending all the operations on the Warrior. Live Oak and Cordova properties, R. B. Ball, as mine superintendent, is in immediate charge of the development work now being pursued in these mines.—Globe Silver Belt.

## ARIZONA AND MICHIGAN.

Superintendent N. A. Nelson, who is in full charge of operations on the Arizona-Michigan property, has a force of about twenty-five men engaged in extending the crosscut northwest on the 500-foot level and in doing assessment work on the Gila-Mesa group. The crosscut being driven north from the Telfair shaft on the fifth level is now 311 feet long, and is in very hard diorite which contains some quartzite. The crosscut running south from the shaft measures 325 feet and is in diorite considerably softer than that found in the north crosscut. Considerable pyrite occurs there also. The south crosscut should eventually cut the Telfair vein and also the Old Dominion fault, which lies about 700 feet beyond the present face of the crosscut. An extension of the present north crosscut should, in the near future, intersect the Dewett lode. The presence of quartz in the material being taken out from the north crosscut indicates that the Dewett lode is not far away. North of the shaft, various ledges which cross the country have a general dip away from the shaft, while in the region south of the shaft the positions of the lodes are irregular.

At a point 130 feet from the shaft, in the north crosscut of the Arizona-Michigan property, the drift is being driven northeast. This drift follows a strainer which was encountered in driving the crosscut and is now twelve feet long. The strainer which the drift is following contains both silver and gold in small quantities. The silver occurs in pockets.—Globe Silver Belt.

## WHITE PINE.

During the summer of 1909 just past, a shaft was started at the White Pine location under the direction of Captain Thomas Wilcox and at the present time they have reached a depth of 200 feet and sinking and drifting are under way. As has been stated in the Herald before that some ground has been opened which shows a very rich vein of copper it is thought that this is the Nonesuch lode which has a width of 17 feet and the entire width is of workable grade and about ten

feet is very rich, showing a copper content of 6 to 10 per cent.

The management of the White Pine have been going along very quietly with from 10 to 17 men at work until now they have about 24 or 25 men there and are making substantial plans for future development.

## STOCKS

Boston, Mass.—The erratic move in Rock Island put a damper on the trading and frightened the local speculators for a short time. This, however, was soon forgotten and the market resumed its normal condition. East Butte is still one of the centers of interest in the local market and is gradually working higher. Of all the low priced stocks we think this the best purchase. North Butte was comparatively steady but there is no evidence of any strong support at the prevailing figure. Miami was the strongest stock on the list and it certainly looks as if this stock would figure in some important deal. Lake and Hancock were both quiet but held their own with the rest of the market. We look for higher prices all through the list as the week advances.—Paine, Webber & Co.

## Gay &amp; Sturgis says:

Boston, Mass., Dec. 27.—The market today had a holiday look and was a little mixed although the tone was generally firm and there were several strong features, Miami being the most prominent with Cactus a close second. A disagreeable episode in Rock Island this morning unsettled the general list considerably all day. The effect was not great, but is a reminder of the stage the market has reached. The market was less active but sentiment is still very strong.—Irving J. Sturgis.

## BOSTON STOCKS.

(Paine, Webber & Co.)	Bid	Asked
Amal.	87 1/2	88
Adventure	6 1/2	7
Allou	58 1/2	59
Arcadian	7 1/2	7 3/4
Atlantic	11 1/2	12
Ariz. Com.	49	49 1/2
Boston Cor.	22 1/2	23 1/2
Boston Con.	21 1/2	22
C. & A.	191	192
C. & H.	680	685
Centennial	37	38
Coalition	28 1/2	29
Copper Range	82 1/2	83
Daly est	8 1/2	9
East Butte	13 1/2	14
Franklin	18 1/2	19 1/2
Giroux	11 1/2	11 3/4
Granby	106	107
Greene Can.	11 1/2	11 3/4
Hancock	34	34 1/2
Helvetic	3 1/2	3 3/4
Isle Royale	27 1/2	28 1/2
Kerr Lake	8 1/2	8 3/4
Keweenaw	6 1/2	6 3/4
La Salle	17 1/2	18
Mass.	6 1/2	7
Miami	25 1/2	26 1/2
Michigan	7	8
Mohawk	65	65 1/2
Nevada Con.	26 1/2	27
Nipissing	10 1/2	10 3/4
North Lake	8	8 1/2
North Butte	5 1/2	5 3/4
Ojibway	12 1/2	13
Old Dom.	54	54 1/2
Osceola	165	166 1/2
Parrot	21 1/2	22
Quincy	89	90
Shannon	16 1/2	16 3/4
S. & Boston	16	16 1/2
S. & Pitta.	16	16 1/2
Sup. Cop.	62 1/2	63 1/2
Tamarack	68	70
Utah Copper	59	59 1/2
U. S. M.	54	55
Utah Con.	45 1/2	46
Victoria	5 1/2	5 3/4
Wyandot	5 1/2	5 3/4
Winona	16	16 1/2
Wolverine	146	148

## NEW YORK STOCKS.

Gay & Sturgis furnish the following New York quotations:	Bid	Asked
Amalgamated	88 1/2	89
Anacosta	52	53
American Locomotive	102 1/2	103 1/2
American Smelters	123 1/2	124 1/2
American Sugar	123 1/2	124 1/2
Atchison	121 1/2	122 1/2
Baltimore & Ohio	117 1/2	118 1/2
Brooklyn Rapid Transit	79 1/2	80 1/2
Colorado Fuel	49 1/2	50 1/2
Erle	33 1/2	34 1/2
American Car Bldg.	71 1/2	72 1/2
Louisville & Nashville	155 1/2	156 1/2
M. K. & T.	48 1/2	49 1/2
New York Central	124 1/2	125 1/2
Cons. Gas	155 1/2	156 1/2
North Pacific	144 1/2	145 1/2
Penn.	126 1/2	127 1/2
Reading	170 1/2	171 1/2
C. & O.	88 1/2	89 1/2
Rock Island	51 1/2	52 1/2
St. Paul	157 1/2	158 1/2
So. Pacific	133 1/2	134 1/2
So. Railway	81 1/2	82 1/2
U. S. Steel	90 1/2	91 1/2
Union Pacific	202 1/2	203 1/2

## UNLISTED STOCKS.

J. A. Minnear & Co. say today: The erratic action in Rock Island completely unsettled the eastern markets today. This issue after closing at 49 1/2 opened at 55 1/2 today and then in less than ten minutes advanced to 81, only to fall back again to 50. The big interests came quickly to the rescue and narrowly prevented a panic. The closing prices were steadier and as soon as the Rock Island incident is forgotten we will see a generally better tone to the market. North Butte was steadier and covered a comparatively narrow range. La Salle and Arcadian

## DISSOLUTION NOTICE.

The firm of Lamondra and Villeneuve have this 22nd day of December 1909, dissolved partnership. By mutual agreement all outstanding accounts owing to the late firm are to be collected by H. W. Villeneuve. 41

continue to some in for considerable attention. Arizona-Commercial is being well absorbed. Calumet & Arizona and Osceola look best among the dividend payers. Chief, New Baltic, and Yuma were the active curb features today. Yuma is being tipped for a further advance and from a market standpoint is in a position to make good. Arizona & Michigan has called an assessment of 50 cents, due in January. This caused some selling of the stock. On any reaction we would buy copper stocks and would favor Inspiration, Yuma and Onco at this writing.

## (J. A. Minnear &amp; Co.)

Bid	Asked
Arizona & Michigan	40 1/2
Almbeck	210
American	2 1/2
Black Mountain	65 1/2
Butte Bala.	9 1/2
Chemung	14
Col. Cons.	140
Chief Cons.	150
Cumbland Ely	2 1/2
Chino	8 1/2
Calumet & Corbin	11 1/2
Calumet & Montana	2 1/2
Corbin Copper	8 1/2
Cactus	6 1/2
Ely Central	2 1/2
S. Lake	9 1/2
New Baltic	11 1/2
Gila	9 1/2
Goldfield Cons.	8 1/2
Giroux	11 1/2
Globe Cons.	34 1/2
Homestake	80
Hermite	55
Helvetic	56 1/2
Hancock	84 1/2
Indiana	7 1/2
Inspiration	8 1/2
Keweenaw	6 1/2
Lake Copper	72 1/2
L. S. & A.	2 1/2
Miami	25 1/2
Montana Clinton	40
Nipissing	10 1/2
North Lake	8 1/2
Ojibway	12 1/2
Oneco	3 1/2
Ray Cons.	25 1/2
Ray Central	3 1/2
Sierra	4 1/2
Shattuck	22
Santa Rosalia	3 1/2
Superior & Globe	1 1/2
Superior & Boston	16 1/2
Superior & Pittsburg	16 1/2
South Columbus	12
Tonopah	7 1/2
Wolverine & Arizona	85
Yuma	1 1/2

## GAY &amp; STURGIS GOSSIP.

Calumet, Mich., Dec. 27.—The Boston market opened very erratic this morning on account of action of Rock Island in the New York list, it advancing over thirty points and then declining some amount on what was understood to be a mistake in a large market order. The market closed fairly strong and active.

Miami was the feature advancing to 25 on very large volume of business. In the cup list, Cactus was again the feature, it being in demand all day at advancing prices. Ray Central and Ray Consolidated also showed considerable strength and made gains for the day. Santa Rosalia was a little weak with sales recorded at 2 1/2.

New York, Dec. 27.—The announcement that Morgan had sold his interest in Chicago railway reminds us that the so-called insiders know how to sell as well as to buy. It is generally thought that the large buying orders recently sent over from London originated on this side of the water. The heavy storm of yesterday will result in decreased railroad earnings and should curtail business to some extent for the day. Bull points were freely circulated in Rock Island, Steel, Union Pacific, Southern Pacific and Anaconda. No new developments reported in regard to the proposed copper merger. Increased dividends seem to be the order of the day, and this we will continue to look for until the large holders of stocks have transferred their burden to other shoulders. We continue to suggest selling on all strong days.—J. H. Wainwright.

## EQUIPMENT HAS ARRIVED.

The equipment for the undertaking parlor of Harper & Thomas in the Holman block on Fifth and Portland streets has arrived. The equipment is said to be as complete as it is possible to obtain, and ranks with the best in the copper country. The undertaking business will be conducted entirely separate from the grocery business.

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and will be managed by Mr. Thomas, who is a licensed embalmer. A night bell has been installed and Mr. Thomas is prepared to answer calls during the day or night. It is expected that the new company will be successful in its venture.

## HANDBALL TOURNAMENT ENTRIES.

Finals Will be Played on New Year's—Christmas Day Events.

Entries have been received for the handball tournament at the Y. M. C. A. this week. It is proposed to play off the finals on New Year's day. For the singles the following are entered: Curto vs. Chamberlain, Burgo vs. Hungerford, Weir vs. Fridmold, Sherwood vs. Hagen, King vs. McCune, Spalding vs. Etu.

The doubles entries are: Liddell and Hagen vs. Spalding and Hungerford, McClelland and Nowak vs. Eaton and Hogan.

McCune and Chamberlain vs. Westermann and King, Borgo and Lavers vs. Curto and Fridmold.

Considerable interest was evinced in the aquatic contests on Christmas day in the Y. M. C. A., some very fine contests taking place. The following are the winners: Fancy dive—Clarence Kennedy, High dive—Richard Liddell, 5 ft. 11 in. from the spring-board, 32-42 yard swim, with stroke—George Gips, Won with the side stroke. Other events were contested in the gym during the day, the members spending a very pleasant time.

## PYTHIAN VOTING CONTEST.

Only One Week Remains of Popular

Lady Contest Here. The popular lady contest which is being conducted by the members of Charity lodge, Knights of Pythias, will come to a close this week. The name of the winner will be announced at the annual ball of the Brotherhood of Railroad Trainmen on New Year's eve at the Light Guard armory and will be given the diamond ring which is offered by the lodge. The counting of the votes today shows that Miss Jennie Bandoni is gradually reducing the lead held by her opponent, Miss Elsie Erickson and that the two are separated by but a little over 1,000 votes. The standing of the candidates today is: Miss Elsie Erickson 12,602, Miss Jennie Bandoni 11,322. Miss Jean Ritchie, one of the candidates, announced today that she had withdrawn from the race.

## FIRE IN LAURIUM.

Fire was discovered late this afternoon in the bath house conducted by J. Johnson on Osceola street, Laurium. The Laurium department responded to the alarm which was turned in from box 4.

Councilman Malcolm MacLeod of Laurium, has gone to Canadian points to visit his parents. He will also attend the wedding of a brother while away.

## NELSON-WOLGAST FEB. 22.

Los Angeles, Cal., Dec. 27.—The Nelson-Wolgast 45 round contest has been set for February 22. Wolgast's manager has posted \$1,000 to guarantee the appearance of his man.

## In Dire Peril.

There is a woman in Brookline whose nearsightedness brought on an odd situation the other day. While waiting for a car she noticed a man with what she supposed to be a cane, making his way slowly toward the car tracks. Thinking that he was in danger of being run over, she hastened out and grasped him by the arm. Then she discovered that he was a switch tender.—Boston Record.

## The Portly Poet.

"What has become of the old-time gaunt attic poet?" "He's moved down to the first floor front now, and is dictating to his stenog."—Boston Herald.

## First Case on Record.

Washington had just said that he couldn't tell a lie. "Surely you don't testify from the absolute?" cried his father. Plainly, he wondered how to account for it.

## The Age of Poesy.

According to a recent lecturer on must be 40 to read poetry. After which, it is assumed, he may read it like sixty.

## Surgical Operation on Raven.

A raven in the London zoological garden recently was operated on for cataract and provided with spectacles fastened to its head with a sort of hood.

## A Poet's Happiness.

A popular Georgian poet, when asked why he always ended his poems with an explanation point, explained: "I always darn glad to get there!"—Atlanta Constitution.

## Your Parents.

Encourage your parents to talk, children; you will discover that they did many things when they were young which they forbid you to do now.—Atchison Globe.

## Seemingly Wise Provision.

"It's a good thing," says the Philosopher of Folly, "that canvas costs more than paper. Otherwise there would be as many rank painters as there are putrid poets."

## Up-to-Date Version.

A thing of beauty is a joy until the styles change.—Atlanta Journal.

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## The Market at a Glance

THIRTY DOLLAR ADVANCE IN ROCK ISLAND UNSETTLED ENTIRE MARKET. STEADIER TONE NOTED AT THE CLOSE WITH PRICES HIGH-ER. COPPERS ACTIVE THOUGH CHANGED BUT SLIGHTLY. YUMA, NEW BALTIC, RAY CENTRAL AND MIAMI WERE THE CURB FEATURES.

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## Make Home Happy.

Make the home life as happy as you can for the children. Many a boy goes astray, not through lack of care and training, but because home life is not made as happy as it might be. Children, while they are young and impressionable, should be surrounded with happiness. It is as essential to their well being as sunshine is to flowers. If, as they grow up, they find that happiness is not to be had at home they soon learn to look for it elsewhere.—Home Chat.

## Modern Business Manners.

In Jewish houses of worship persons who are in mourning arise at a certain time during the service and repeat the Kaddish. According to the Hebrew Standard, there are tradespeople for whom the mourners' prayer is no bar to business. In a recent issue that paper says: "The trustees of Temple Israel of Harlem, should suppress the individual who on Sabbath mornings distributes pamphlets to those saying Kaddish, advertising the wares of a monument dealer."